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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/924,094	08/08/2001	Jung-Wan Ko	1293.1059-CIPD3	3341
49455	7590	11/17/2006	EXAMINER	
STEIN, MCEWEN & BUI, LLP 1400 EYE STREET, NW SUITE 300 WASHINGTON, DC 20005			SHIBRU, HELEN	
			ART UNIT	PAPER NUMBER
			2621	

DATE MAILED: 11/17/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/924,094

Applicant(s)

KO ET AL.

Examiner

HELEN SHIBRU

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 02 October 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 29-47 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 29-47 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

**DETAILED ACTION**

***Response to Amendment***

1. The amendments, filed 10/02/2006, have been entered and made of record. Claims ~~29-45~~ <sup>29-47</sup> are pending. <sup>^</sup>

***Response to Arguments***

2. Applicant's arguments filed on 10/02/2006 have been fully considered but they are not persuasive.

In re-page 2 Applicant states "While the files 78 individually include audio, video, and subpictures indicated by the disk information file 76 includes audio data which is reproduced with video data and subpictures of the movie or music files 78 according to information in the disk information file 76."

In response the examiner respectfully disagree. Katayama discloses in the volume management area 74, volume management information for managing a disk information file 76 of the file area 80 and file 78 such as movie files or music files are stored (see col. 8 lines 34-52). Katayama further discloses in the file area 80, the files 76, 78 from file number '0' to the file number '99' are arranged (see col. 8 lines 46-52). Katayama further discloses data reproducing section converts the decoded video data, audio data, and subpicture data into an analog video signal, audio signal and an analog sub-picture signal and supplies video signal to the monitor 6 and the resulting audio signal to the speaker 8. Then images are displayed simultaneously with sound (see col. 8 lines 3-11).

In re page 2 the Applicant states "There is no suggestion that the audio pack 98 of another file 98 is utilized while the video and sub-picture packs 93, 95 are displayed, or that the

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video and sub-picture packs 93, 95 of the file 98 are reproduced according to file management information 101 of another file 98 storing the audio being reproduced.”

In response the Examiner respectfully disagrees. It is noted that the features upon which applicant relies (i.e., the audio pack of another file is utilized while the video and sub-picture packs are displayed, or that the video and sub-picture packs are reproduced according to file management information of another file storing the audio being reproduced) are not recited in the rejected claim(s). Although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See *In re Van Geuns*, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993).

In re page 3 Applicant states “There is no suggestion that the RAM section 52 stores the reproduced video data prior to the audio data being reproduced.”

In response the Examiner respectfully disagrees. Applicant’s attention is directed to col. 7 line 61-col, 8 line 3 where Katayama discloses data are stored in RAM and the stored data are processed and decoded.

The claimed invention does in fact read on the cited references for at least the reasons discussed above and as stated in the detail Office Action as follows. This Office action is now made final.

***Claim Rejections - 35 USC § 102***

3. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
4. Claims 29-47 are rejected under 35 U.S.C. 102(b) as being anticipated by Katayama (US Pat. No. 5,902,115).

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Regarding claim 29, Katayama discloses a reproducing apparatus comprising:

a playback signal processing unit to read data from a storage medium (see fig. 1), the storage medium comprising an audio area including at least one audio title set (ATS) (see col. 6 lines 62-67 and col. 7 line 61-col. 8 line 11), audio data stored in said ATS (see col. 9 line 1-36, col. 10 lines 39-67, col. 37 line 53-col. 38 line 53), catalog playback information which is stored in the audio area and which is related to the audio data stored in the ATS, and a predetermined area other than the audio area which includes a catalog management (CMG) region having management information on catalog information (see figures 6-11), and a catalog title set (CTS) having at least one catalog title including the catalog information related to each item of the audio data (see col. 17 lines 24-54 and col. 18 lines 43-58), and

a controller which reproduces the audio data and the catalog information according to the read catalog playback information (see col. 7 line 47-col. 8 line 11), the catalog playback information connecting the audio data and the catalog information to be reproduced during reproduction of the audio data (see col. 6 line 44-col. 7 line 18 and col. 10 lines 17-38).

Regarding claim 30, Katayama discloses at least one catalog title includes a still picture related to a corresponding item of the audio data (see col. 10 lines 39-67 and col. 22 lines 32-52); and

the controller reproduces the audio data and the still picture according to the read catalog playback information (see col. 7 line 47-col. 8 line 11), the catalog playback information automatically instructing the controller to reproduce the still picture with the audio data when the audio data is reproduced (see col. 6 line 44-col. 7 line 18 and col. 10 lines 17-38).

Regarding claim 31, Katayama discloses the catalog information related to the audio data further comprises common catalog information commonly applied for more than one of the audio data recorded on the storage medium (see col. 12 line 54-col. 13 line 26 and col. 17 lines 45-53).

Regarding claim 32, Katayama discloses the catalog information comprises still picture information related to the audio data during reproduction according to the catalog playback information (see col. 10 line 39-col. 11 line 11 and col. 22 lines 32-52 and fig. 8), the controller reproduces the audio data and the still picture information according to the read catalog playback information (see col. 6 line 44-col. 7 line 18, line 47-col. 8 line 11, and col. 10 lines 17-38),

the still picture information comprises:

common still picture information commonly applied for more than one item of the audio data recorded on the storage medium (see col. 12 line 54-col. 13 line 26 and col. 17 lines 45-53), and title still picture information corresponding uniquely corresponding to individual items of the audio data (see col. 9 lines 37-63, col. 22 lines 32-52), and

the predetermined area comprises:

a still picture management (SMG) region having management information on the still picture information (see col. 8 lines 24-52, col. 18 lines 18-42 figures 15 and 67), and

a still picture title set (SPTS) including at least one still picture title including the still picture information related to each item of the audio data (see col. 11 lines 2-11 and col. 22 lines 32-52).

Regarding claim 33, Katayama discloses a playback signal processing unit to read data from a storage medium, the storage medium comprising audio data stored in a first

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predetermined area of the storage medium with catalog playback information, and catalog information related to the audio data and stored in a second predetermined area of the storage medium other than the first predetermined area (see rejection of claim 29 above), and

a controller which reproduces the audio data and the catalog information according to the read catalog playback information (see rejection of claim 29 above),

wherein:

the catalog information comprises a still picture, a sub-picture, and navigation information controlling the still picture and the sub-picture (see col. 7 line 61-col. 8 line 11, col. 10 lines 39-67, col. 22 lines 32-52, col. 33 lines 13-36, and fig. 68), and

the second predetermined area comprises a catalog management (CMG) region having management information on the catalog information, and a catalog title set (CTS) including at least one title catalog of the catalog information related to each item of the audio data (see col. 17 lines 24-54 and col. 18 lines 43-58).

Regarding claim 34, Katayama discloses the first predetermined area comprises at least one audio title set (ATS) storing the audio data (see col. 10 line 39-col. 11 line 10, col. 22 lines 25-51).

Regarding claim 35, Katayama discloses the first predetermined area comprises an audio management (AMG) region including management information on the audio data and ~~and~~ an audio title set (ATS) which includes the audio data (see figures 4-11).

Regarding claim 36, Katayama discloses the catalog playback information includes an auto presentation information table determining the catalog information to be played back

corresponding to a predetermined time during reproduction of the audio data (see col. 10 lines 17-38 and col. 31 lines 47-67), and

the controller reproduces the audio data and the catalog information according to the auto presentation information table of the catalog playback information (see figure 56).

Regarding claim 37, Katayama discloses a buffer to store the catalog information, wherein the controller controls the playback signal processing unit to read the catalog information from the second predetermined area and to store the read catalog information in the buffer prior to reading the audio data from the first predetermined area, and reproduces the buffered catalog information while reproducing the read audio data according to the read catalog playback information (see col. 7 line 61-col. 8 line 11 and col. 11 lines 47-58).

Regarding claim 38, Katayama discloses a method of playing back data on a storage medium storing audio data, catalog information related to the audio data, and catalog playback information connecting the audio data and the catalog information to each other during playback (see col. 6 lines 62-67, col. 7 line 61-col. 8 line 11), comprising:

while playing back the audio data obtained from an audio area, playing back the corresponding catalog information obtained from a catalog information area which corresponds to the catalog playback information obtained from the audio area (see col. 9 lines 1-36 and col. 37 line 53-col. 38 line 53),

wherein:

the audio area includes the catalog playback information and an audio title set (ATS) in which is stored the audio data (see col. 10 line 39-col. 11 line 10 and col. 22 lines 25-51), and

the catalog information area is other than the audio area and which includes the



catalog information stored in a catalog title set (CTS) (see col. 17 lines 24-54 and col. 18 lines 43-58).

Regarding claim 39, Katayama discloses the playing back the corresponding catalog information comprises:

reading from the catalog information area the catalog information related to the audio data to be reproduced according to the catalog playback information connecting the audio data and the catalog information to each other during reproduction (see col. 9 lines 1-36 and col. 10 line 39-col. 11 line 10), and

reproducing the read encoded audio data and the read encoded catalog information read from the storage medium connected by the encoded catalog playback information (see col. 39 lines 13-37),

the audio area further comprises an audio management (AMG) region having management information on the audio data and including the catalog playback information (see col. 40 lines 6-31), and

the catalog information area is other than the audio area and further comprises a catalog management (CMG) region having management information on the catalog information (see figures 6-11).

Regarding claim 40, Katayama discloses the catalog information includes common catalog data for information commonly applied for more than one of the audio data and title catalog information corresponding to each of the audio data (see rejection of claim 31 above), and

the playing back the corresponding catalog information comprises playing back, according to the catalog playback information, the common catalog data, the title catalog data, or combinations thereof with the audio data (see rejection of claim 32 above).

Regarding claim 41, Katayama discloses the catalog information comprises common catalog information commonly applied for more than one of the audio data and title catalog information corresponding to each of the audio data (see col. 12 line 54-col. 13 line 26 and col. 17 lines 45-53),

the playing back the corresponding catalog information comprises, during reproduction of the audio data, selectively controlling playback of the common catalog data, the title catalog data, or combinations thereof using the catalog playback information, the catalog playback information linking the common catalog data and the title catalog data according to the reproduced audio data (see col. 7 line 47-col. 8 line 11), and

the catalog information comprises a catalog management (CMG) region having management information on the catalog information (see figures 6-11).

Regarding claim 42, Katayama discloses the catalog information comprises still picture information related to the audio data during reproduction by the catalog playback information (see col. 10 lines 39-67 and col. 22 lines 32-52),

the playing back the corresponding catalog information comprises, during reproduction of the audio data, reproducing the still picture information which is related to the reproduced audio data during reproduction by the read catalog playback information by controlling playback of a common one of the still picture information commonly applied for more than one of the audio data recorded on the storage medium and/or title still picture information corresponding to

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each of the audio data according to the reproduced audio data (see col. 6 line 44-col. 7 line 18, col. 10 line 39-col. 11 line 10, and col. 22 lines 25-51),

and the catalog information area comprises:

a still picture management region having management information on the still picture information (see col. 8 lines 24-52, col. 18 lines 18-42 and figures 15 and 67), and

a still picture title set including at least one still picture title including the still picture information related to each item of the audio data (see col. 11 lines 2-11 and col. 22 lines 3-52).

Regarding claim 43, Katayama discloses the catalog information includes a still picture for a background image, a sub-picture for a caption, and navigation information for controlling the reproduction of the still picture and the sub-picture (see col. 7 line 61-col. 8 line 11, col. 10 lines 39-67, col. 22 lines 32-52, col. 33 lines 13-36, and fig. 68).

Regarding claim 44, Katayama discloses the catalog information area comprises a catalog management (CMG) region having management information on the catalog information and the CTS having at least one catalog title including the catalog information related to each item of the audio data (see claim 33 rejection above), and

the at least one catalog title comprises

at least one still picture (see col. 10 lines 39-67 and col. 22 lines 32-52),

at least one sub-picture (see col. 7 line 61-col. 8 line 11, col. 22 lines 32-52), and

navigation information controlling the still picture and the sub-picture (see col. 33 lines 13-36).

Regarding claim 45, Katayama discloses the catalog playback information comprises an auto presentation information table determining the catalog information to be played back

corresponding to a predetermined time with the audio data, and the playing back the corresponding catalog information further comprises determining the catalog information to be played back and playing back the corresponding catalog information according to the auto presentation table (see rejection of claim 36).

Regarding claim 46, Katayama discloses buffering the catalog information read from the catalog information area, wherein the playing back the catalog information comprises playing back the buffered catalog information according to the catalog playback information read from the catalog information area (see col. 7 line 61-col. 8 line 11 and col. 11 lines 47-58).

Regarding claim 47, Katayama discloses the playing back the catalog information comprises, while playing back the audio data, using the catalog playback information to selectively reproduce the catalog information from a buffer and which was buffered prior to playing back the audio data being reproduced (see col. 14 lines 1-16).

### ***Conclusion***

5. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

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however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

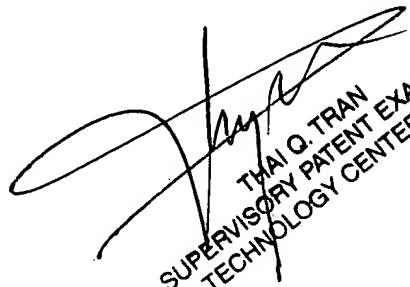
Any inquiry concerning this communication or earlier communications from the examiner should be directed to HELEN SHIBRU whose telephone number is (571) 272-7329.

The examiner can normally be reached on M-F, 8:30AM-5PM.

6. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, THAI Q. TRAN can be reached on (571) 272-7382. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Helen Shibru  
November 13, 2006



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SUPERVISORY PATENT EXAMINER  
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